

# 2022 International Joint Symposium on Technological Convergence, Manufacturing & Nano/Biosystems

## (On-site & Virtual Hybrid Meeting)

**Date** : 12:00 PM, June 29<sup>th</sup> (Wednesday), 2022 (Korean Time)

**On-site location** : Conference Hall, Chung Mong-Koo Automotive Research Center,  
Hanyang University, Seoul, South Korea

**Webinar via Zoom** : <https://us02web.zoom.us/j/87806627119> [Click](#)  
(Meeting ID : 878 0662 7119)

### Agenda

Time	Speaker / Title
12:00-13:00	Optional Lunch
13:00-13:15	Opening Remark (Prof. Dong Rip Kim (Hanyang University) & Prof. Chi Hwan Lee (Purdue University))
13:15-13:35	Prof. Sungwook Park (Hanyang University) – Introduction to BK21 FOUR program in Mechanical Engineering of Hanyang University
13:35-13:55	Prof. Dong-Weon Lee (Chonnam National University) – Introduction to Advanced Medical Device Research Center for Cardiovascular Disease
13:55-14:15	Prof. Young L. Kim (Purdue University) – Natural metamaterials: An oxymoron
14:15-14:35	Prof. Hugh Lee (Purdue University) – BioMEMS-enabled novel implantable medical devices
14:35-14:55	Prof. Chi Hwan Lee (Purdue University) – Wearable Biomedical Devices on Skin to Eye
14:55-15:10	Break Session
15:10-15:30	Prof. Seungpyo Hong (University of Wisconsin-Madison) – Biomimetic Nanotechnology Enabling Liquid Biopsy for Circulating Tumor Cells and Tumor-derived Extracellular Vesicles
15:30-15:50	Prof. Nam-Joon Cho (Nanyang Technological University) – Pollen-Based Materials Innovation for Sustainable Technologies
15:50-16:10	Prof. Haseung Chung (Michigan State University) – Additive Manufacturing at Michigan State University
16:10-16:30	Prof. Jungwoo Lee (UMass-Amherst) – Demineralized bone paper to reproduce bone tissue complexity and processes in vitro
16:30-16:50	Prof. Sang-Hoon Bae (Washington University in Saint Louis) – Freestanding nanomembranes for future electronics
16:50-17:10	Dr. Chan Lee MD (Indiana University Health) – Introduction to general & regional anesthesia
17:10-17:20	Closing Remark
18:00	Dinner

### Organizer/Sponsor



한양대학교

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- BK21 FOUR Student-Value Creating Education Program for Mechanical Engineers in Intelligent System, Department of Mechanical Convergence Engineering, Hanyang University
- Mechanical Engineering and Technology Research Institute, Hanyang University

전남대학교  
CHONNAM NATIONAL UNIVERSITY

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